

DTA messages

These messages relate to the commands used in LD60. They support the following hardware:

- QPC472 Digital Trunk Interface (DTI)
- QPC536 2.0 Mb/s Digital Trunk Interface (DTI)
- QPC720 Primary Rate Interface (PRI)
- QPC471 and QPC775—Clock Controller
- QPC785 2.0 Mb/s Digital Trunk Interface (DTI)

The following is a brief discussion of the messages relating to DTA. For a complete discussion, refer to *X11 input/output guide* (553-3001-400).

DTA001 loop	Define the datablock threshold in LD73.
DTA002 loop	Message received with wrong chip field.
DTA003 loop	Power up message received.
DTA004 loop	Phase lock loop (PLL) clear message is received without phase lock loop alarm.
DTA005 loop	Yellow alarm (remote alarm) has occurred.
DTA006 loop	Yellow alarm (remote alarm) 24-hour threshold has been exceeded. Manual intervention is required.
DTA007 loop	Yellow alarm (remote alarm) is cleared.
DTA008 loop	Yellow alarm (remote alarm) is disabled.
DTA009 loop	Phase lock loop alarm has occurred.
DTA010 loop	Phase lock loop alarm has cleared.
DTA011 loop	Bit error rate warning threshold reached.
DTA012 loop	Bit error rate out-of-service limit reached.
DTA013 loop	Too many bit error rate out-of-service occurrences in 24 hours.
DTA014 loop	Bit error rate alarm has cleared.
DTA015 loop	Frame slip—tracking—maintenance limit.
DTA016 loop	Frame slip—tracking—out-of-service limit.
DTA017 loop	Frame slip—free run (non-tracking)—maintenance limit.
DTA018 loop	Frame slip—free run (non-tracking)—out-of-service limit.
DTA019 loop	Frame alignment maintenance limit.
DTA020 loop	Frame alignment out-of-service limit.
DTA021 loop	Frame alignment alarm persisted for 3 seconds.
DTA022 loop	Frame alignment alarm has cleared for at least 15 seconds.
DTA023 loop	PRI loop is up.
DTA024 loop	System initiated (automatic, LD45 or LD60) self-test on PRI loop failed. All channels are disabled, loop is put into red alarm (local alarm).
DTA025 loop	System initiated (automatic, LD45 or LD60) self-test on PRI loop L passed. Channels were previously disabled because of self-test fault or a loop-level self-test. Channels are enabled and red alarm (local alarm) is removed.

DTA026 loop	Non-tracking frame slip out-of-service limit is reached while monitoring frame slip improvement. Trunks remain out of service and the improvement timer (prompt SRIM in LD73) is restarted.
DTA027	The non-tracking frame slip guard timer has expired. The trunks affected are kept out of service. Software is checking for slip rate improvement. The improvement criterion is the number of maintenance messages the system gets during the guard time.
DTA028 loop	Slip rate improvement criterion is not met. Trunks remain out of service; improvement timer is reset (prompt SRIM in LD73).
DTA029 loop	Non-tracking frame slip rate improvement criterion is met. Trunks being returned to service.
DTA100 l s c u	Far-end hardware corresponding to Virtual Terminal l s c u is disabled.
DTA101 l s c u	Far-end hardware corresponding to Virtual Terminal l s c u is enabled.
DTA102 loop	Power is up on the PRI2 board.
DTA103 loop	Problem in loop or channel message of PRI2.
DTA104 loop	Channel self-test report for PRI2.
DTA105 loop	Loop self-test report for PRI2.
DTA106 loop	PRI2 Loop is in acceptable state.
DTA107 loop	PRI2 Loop is in G1 MNT state.
DTA108 loop	PRI2 Loop is in G1 NNC state.
DTA109 loop	PRI2 Loop is in G1 OOS state.
DTA110 loop	PRI2 Loop is in G2 MNT state.
DTA111 loop	PRI2 Loop is in G2 NNC state.
DTA112 loop	PRI2 Loop is in G2 OOS state.
DTA113 loop	PRI2 Loop is in OOS state with no auto-start.
DTA114 loop	PRI2 loop is disabled, and message received is not power up.
DTA115 loop	Unsolicited PRI2 message received.
DTA116 loop	PRI2 loop is in G1 NNDC state.
DTA117 loop	PRI2 loop is in G2 NNDC state.
DTA200 loop	The DTI2 (NI and CI-1) firmware has initialized.
DTA201 loop	The Carrier Interface (CI-1) firmware has initialized.
DTA202 loop	The Network Interface (NI) firmware has initialized.
DTA203 loop e	A Group 2 error was detected by the DTI card. Error (e) = 0 to 1F (HEX).
DTA204 loop e	The NI firmware has encountered a problem. Refer to DTI009 for NI microprocessor error codes (e).

DTA205 loop e	The CI-1 firmware has encountered a problem. Refer to DTI009 for CI-1 microprocessor error codes (e).
DTA206 loop	Response to channel status poll has timed out. The channel was disabled.
DTA207 loop s c	An invalid signal has been received from the DTI, where, s = ABCD signal received from DTI; c = channel.
DTA208 loop s c	An invalid signal has been requested to be sent to the DTI, c = channel s = signal type requested.
DTA209 loop	DTI loop is in acceptable state.
DTA210 loop e	DTI loop is in Group 1 MNT state, where error (e) is one or more of the following: BV–Bipolar Violation FV–Frame Alignment Violation SV–Slip Violation
DTA211 loop e	DTI loop is in Group 1 NNC state, where error (e) is one or more of the following: BV–Bipolar Violation FV–Frame Alignment Violation SV–Slip Violation
DTA212 loop e	DTI loop L is in Group 1 OOS state, where error (e) is one or more of the following: BV–Bipolar Violation FV–Frame Alignment Violation SV–Slip Violation
DTA213 loop e	DTI loop is in Group 2 MNT state, where error (e) is one or more of the following: C3–B3 TSO non-FAS (far-end out of service) C6–B6 TS16 frame 0 (far-end lost MFA signal) AS–64-Kbit Alarm indication signal AI–Alarm Indication signal LM–Loss of Multi-frame alignment LF–Loss of Frame alignment
DTA214 loop e	DTI loop is in voice Group 2 NNC state, where error (e) is one or more of the following: C3–B3 TSO non-FAS (far-end out of service) C6–B6 TS16 frame 0 (far-end lost MFA signal) AS–64-Kbit Alarm indication signal AI–Alarm Indication signal LM–Loss of Multi-frame alignment LF–Loss of Frame alignment

DTA215 loop e	DTI loop is in Group 2 OOS state, where error (e) is one or more of the following: C3–B3 TSO non-FAS (far-end out of service) C6–B6 TS16 frame 0 (far-end lost MFA signal) AS–64-Kbit Alarm indication signal AI–Alarm Indication signal LM–Loss of Multi-frame alignment LF–Loss of Frame alignment
DTA216 loop e	DTI loop is in Group 1 MNT state, where error (e) is one or more of the following: BV–Bipolar Violation FV–Frame Alignment Violation SV–Slip Violation
DTA217 loop e	DTI loop is in Group 1 NNC state, where error (e) is one or more of the following: BV–Bipolar Violation FV–Frame Alignment Violation SV–Slip Violation
DTA218 loop	DTI loop is in Group 1 data OOS.
DTA219 loop e	DTI loop is in Group 2 MNT state, where error (e) is one or more of the following: C3–B3 TSO non-FAS (far-end out of service) C6–B6 TS16 frame 0 (far-end lost MFA signal) AS–64-Kbit Alarm indication signal AI–Alarm Indication signal LM–Loss of Multi-frame alignment LF–Loss of Frame alignment
DTA220 loop e	DTI loop is in Group 2 NNC state, where error (e) is one or more of the following: C3–B3 TSO non-FAS (far-end out of service) C6–B6 TS16 frame 0 (far-end lost MFA signal) AS–64-Kbit Alarm indication signal AI–Alarm Indication signal LM–Loss of Multi-frame alignment LF–Loss of Frame alignment
DTA221 loop	DTI loop is in G2 data OOS.
DTA222 loop	DTI loop is in OOS state with no auto-start.
DTA223 loop s ch	An invalid signal has been received from the DTI. It matches CCITT fault signal. Far end may be disabled. c = channel, s = ABCD signal received from DTI.

DTA224 loop ch	DTI loop audit has found channel (ch) to be in an invalid HALFDISCONNECT state (trunk lock-up). A disconnect attempt is being made on the CHNL.
DTA225 loop	DTI loop is in G1 NNDC state.
DTA226 loop	DTI loop is in G2 NNDC state.
DTA300 loop	A slip repetition has occurred on PRI2 loop.
DTA301 loop	A slip deletion has occurred on PRI2 loop.
DTA302 loop	A slip repetition overflow has occurred on PRI2 loop.
DTA303 loop	A slip deletion overflow has occurred on PRI2 loop.
DTA304 loop	A BPV unavailable condition has occurred on PRI2 loop.
DTA305 loop	A CRC unavailable condition has occurred on PRI2 loop.
DTA306 loop	A FAP unavailable condition has occurred on PRI2 loop.
DTA307 loop	A BPV no-new-calls condition exists on PRI2 loop.
DTA308 loop	A CRC no-new-calls condition exists on PRI2 loop.
DTA309 loop	A FAP no-new-calls condition exists on PRI2 loop.
DTA310 loop	A BPV maintenance condition has occurred on PRI2 loop.
DTA311 loop	A CRC maintenance condition exists on PRI2 loop.
DTA312 loop	A FAP maintenance condition exists on PRI2 loop.
DTA320 loop	DTI loop error reporting was disabled because of an overload of input messages.
DTA321 loop	Error reporting reenabled on DTI loop after being disabled by an input overload (DTA320).